

M501 chopped strand mat is particularly designed for hand lay-up and other low pressure processes. It is suited for both single-ply and multi-ply moulding techniques.

Reinforcements

M501

Applications

M501 is typically used in boats, tanks, panels as well as large structural parts for transportation, construction and other industrial applications.

Product description

M501 is a high performance glassfibre chopped strand mat made from silane sized E- glass fibres. The web is formed from 50 mm long strands bonded together with a styrene soluble emulsion binder. M501 is compatible with unsaturated polyester resins.

M501 has outstanding handling and moulding properties. It is characterised by fast wet out and wet through as well as easy air removal due to its optimised chemical and physical properties. The fast wetting reduces resin consumption still rendering the laminate with a resin rich surface.

Approvals

M501 is approved by Det Norske Veritas, The Lloyd's Register of shipping and by Germanischer Lloyd.



Small fibers. Big difference.

Glass nonwovens

Properties

TECHNICAL DATA (nominal values)				
Product code	Weight g/m ²	Moisture content %	Loss on ignition %	Solubility in styrene sec.
	ISO 3374	ISO 3344	ISO 1887	ISO 2558
M501- 300	300	<0,3	5,0	max. 30
M501- 450	450		3,7	
M501- 600	600		3,5	
M501- 900	900		3,2	

STANDARD PRODUCTS	
Weight, g/m ²	300 450 600 900 Other gramweights on request
Widths, cm	92 and 130 cm normally supplied with one trimmed edge
Width tolerance trimmed (TR) feathered	± 0,5 cm ± 2 cm

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Standard packaging

Individual rolls are wound on a cardboard core (internal diameter 101 mm), wrapped in PE-film and packed in cardboard boxes 30 x 31 x 135 cm. The boxes are set on wooden, one way pallets and secured to place with a protective shrink-wrap. One pallet includes 12 rolls vertical or 6 rolls horizontal.

Storage

M501 should be stored in its original packaging in a dry, cool environment. Direct sunlight or heat sources must be avoided. The optimal conditions for storage is at a temperature between 10 °C and 35 °C and a relative humidity less than 75%. If the product is stored at a temperature below +15 °C conditioning in the workshop is recommended for at least 24 hours. If the content of a packaging is only partly used, the packaging should be closed again. It is also recommended that the product is used within 12 months of delivery.

This leaflet is issued without obligation. All issued specifications reflect the present status but are subject to change without notice.

Ahlstrom
Glass Nonwovens

Karhula Plant
P.O.Box 140
FIN-48601 Kotka, Finland
Tel. +358 10 888 11
Fax. +358 10 888 2510

Mikkeli Plant
Insinöörinkatu 2
FIN-50100 Mikkeli, Finland
Tel. +358 10 888 12
Fax. +358 10 888 2900



www.ahlstrom.com

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